

WHAT IS CLAIMED IS:

1. An electro-hydraulic power steering apparatus comprising:

a first housing having a support portion;

5 a second housing fixed to the first housing;

a control device disposed in a space surrounded by the one side of the first housing and the one side of the second housing;

a motor disposed on the other side of the first housing,
10 the motor including a rotor, a stator and a frame, the rotor having a first bearing supported by the support portion and a second bearing, the stator having an iron core, the frame made of iron and making up an outer shell of the motor, the frame including an inner circumferential face into which the
15 iron core is press fitted and a receiving portion which receives the second bearing;

a pump disposed on the other side of the second housing;

a first clamp screw for securing the frame to the first housing; and

20 a second clamp screw for securing the first housing and the second housing;

wherein the control device, the motor and the pump are integrated; and

the first clamp screw and the second clamp screw are
25 tightened from the hand of the frame.

2. The electro-hydraulic power steering apparatus according to claim 1,

wherein the second housing has threaded portions; and

5 the first clamp screw includes a plurality of first clamp screws, in which part of the plurality of first clamp screws are tightened to the first housing, and the remainder are tightened to the threaded portions.

10 3. The electro-hydraulic power steering apparatus according to claim 2,

wherein the plurality of first clamp screws includes six first clamp screws disposed at substantially regular intervals;

15 two of the six first clamp screws are tightened to the first housing; and

the remaining four screws are tightened to the threaded portions.

20 4. The electro-hydraulic power steering apparatus according to claim 1,

wherein the second housing has a threaded portion to which the first clamp screw is screwed; and

the pump has a pump housing fixed by tightening a third clamp screws to the threaded portion from the hand of the pump.

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5. The electro-hydraulic power steering apparatus according to claim 1,

wherein a sealant is coated on an abutment face between the first housing and the second housing and an abutment face
5 between the first housing and the frame.

6. The electro-hydraulic power steering apparatus according to claim 5,

wherein at least one of the abutment face between the
10 first housing and the second housing and the abutment face between the first housing and the frame has an outer circumference on which a step portion is provided.

7. The electro-hydraulic power steering apparatus according
15 to claim 6,

wherein the step portion is provided with a chamfer.